QCD Meeting 7/11/02

	Special guest lecture		
	W/Z + jets and other profile flows and comparisons generation		1; color
1.	News/announcements	Jay/Joey	
	**on Aug 22, Pino Marchesini will talk at the QCD meeting on some new Run 2 QCD measurement proposals		
	short off-week meetinweeks	g next Thurs; no me	eeting in
Rur	n 2		
2.	Update on inclusive jets	15' Frank Chleban	a
3.	Thoughts on b jet cross s	ections 10' Joey Huston	
2.	4. Update on photon ana	lyses	30
		Petra Merkel	
5.	Jet shapes and energy distributions in Run 2 30'		
	(pre-blessing)	Mario Martinez	-
Rur	n 1		
6.	Update on photon cross s Carter Hall	section from convers 20'	sions
7.	NLO 3 jet production (blessing)	Sally Seidel QCD Meeting	20'

July 11, 2002

Papers of the Week

hep-ph/0206293; ALPGEN, a generator for hard multiparton processes in hadronic collisions. M. Mangano, M. Moretti, F. Piccinini, R. Pittau, A. Polosa; This paper presents a new event generator, ALPGEN, dedicated to the study of multiparton hard processes in hadronic collisions. The code performs, at the leading order in QCD and EW interactions, the calculation of the exact matrix elements for a large set of parton-level processes of interest in the study of the Tevatron and LHC data. The current version of the code describes the following final states: (W->e nu) Q Qbar+ N jets and (Z/gamma* -> I lbar) Q Qbar+N jets (Q being a heavy quark), with N<=4; (W -> e nu) + N jets and (Z/gamma* -> I lbar)+ N jets (N<=6); nW+mZ+IH+N jets, with n+m+I+N<=8 and N<=3; Q Qbar+N jets (N<=6); Q Qbar Q' Qbar'+N jets, with Q and Q' heavy quarks (possibly equal) and N<=4; H Q Qbar+N jets (N<=4). Parton-level events are generated, providing full information on their colour and flavour structure, enabling the evolution of the partons into fully hadronised final states.

Papers of the week

• hep-ph/0207067; Update of MRST Parton Distributions; Authors: R.S. Thorne, A.D. Martin, R.G. Roberts, W.J. Stirling; We discuss the latest update of the MRST parton distributions in response to the most recent data. We discuss the areas where there are hints of difficulties in the global fit, and compare to some other updated sets of parton distributions, particularly CTEQ6. We briefly discuss the issue of uncertainties associated with partons.

Talks at Amsterdam

- Photon + Jet Physics from CDF
 - Jay Dittmann
- Heavy Flavor Production at CDF
 - Christoph Paus